

Immunologic Studies on the Omentum. IInd Report:  
The Morphology of the "Plaque-Forming" Milky Spots  
in the Omentum of the Mouse, by U. Kaboth.  
GERMAN, per, Z Naturforsch, No 21b, 1966, pp 789-793.  
HEW NIH  
9-2-69

Sci/ugm  
Nov 69

396,942

Measuring the Diffusion Coefficient of Ions with  
an Interferometric Technique, by K. F. Jahr,  
GDRMAN, per, Z. Maternforsch., 21 b, 1966, pp 1122-  
1124.

\*NBS TT 70-57488

Sci-Phys  
Aug 70

Measurement of the Dissociation Rate of  
Molecular Ions, by Ch. Ottinger.  
GERMAN, per, Zeitschrift für Naturforschung,  
Vol 22A, 1967, pp 20-40.  
Tr No 25, Oct 1968  
AIR/AFCRL/68-0509

Acc. Ref. 1968-1 (TEN-145)

Sci-Phys  
Feb 69

373,726

Isotope Exchange-Studies in Silicates, by  
E. Hoinkis.  
GERMAN. pcr. Z. Naturforsch., Vol 22A, 1967, pp 226-232.  
NTIS/USDC/NR TT 71-55086  
Available NRS Only

May 71

Structural Forms in the InSb-NiSb Eutectic,  
by A. Müller, M. Wilhelm,  
GERMAN, per, Zeit. Naturforschung, Vol 22a,  
1967, pp 264-269.  
NLL Ref: 9022.4 (68/58)

Sol-Chem  
Jan 69

372,607

Acceleration of Inhomogeneous Plasmas by Laser  
Light, by H. Hora, D. Pfeisch, 9 pp.

GERMAN. par. Zeitschrift fur Naturforschung,  
Vol 22A, No 2, 1967, pp 273-280.

1911042568

AcC NL-TR-1605

Sci-phys  
Mar 68

349,312

The Critical Shear Stress of Cubic Crystals with  
Defects of Tetragonal Symmetry. I. On the  
Short-Range Interaction of Dislocations with  
Elastic Dipoles, by Frank Werner.  
GERMAN, per, Zeit Naturforsch, Vol 22 A, 1967,  
pp 365-376.  
AEC ORNL-tr-1889

Sci-Phys  
Jul 68

357,403

Crystals with Defects Having Tetragonal Symmetry -  
The Critical Shear Stress in Cubic Crystals with  
Defects Having Tetragonal Symmetry - II. The  
Induced Shock Effect, by Werner Frank, 25 pp.  
GERMAN, per, Z. Naturforsch., Vol 22a, 1967,  
pp 377-397. P911387967  
AMU DRL-TR-163

Sci-Physics  
Dec 67

346,201

P

Electrotransport in Tungsten, by G. M. Neumann,  
GDRMAN, por. Z Naturforsch., No 22a, 1967.  
pp. 388-392.  
VME IT 70-57436

Sci-Mat  
Aug 70

Thermal Transport in Tungsten, by G. M. Neumann.  
GERMAN, per. Z. Naturforsch., No 22a, 1967, pp 393-  
395.  
~~THIS IS 70-57403~~

Sed-Chem  
Aug 70

Interferometric Investigations of Electromagnetically Accelerated Shock Waves, II, by H. Brinkschulte,  
15 pp.

ausss. Ber. Z. Naturforsch., Vol 22a, 1967,  
pp. 436-443.

AC/SC-Tr-09-1058

Sci/Phy  
Kar 70

400,214

Studies of the Emission of Positive Secondary Ions From Solid Targets. The Usefulness of the Ion-Bombardment Ion Source in Mass Spectroscopy, by R. E. Beske,  
15 pp.  
GEMAN, Ber., Z. Naturforsch., Vol 22a,  
1967, pp 459-487. D11277768-V  
ALC-ORNL-TR-1794

Sci/Phy  
Oct 68

369,441

An Anomalous Temperature Dependence of the Three-  
Level in a Quasi-Cw Ruby Laser, by G. Zeidler,  
GesJAN, per, Zeitschrift für Naturforschung,  
Vol 22a, 1967, pp 566-570.  
Tr No 24, Oct 1968  
AIR/AF/CRL/68-0548

Sci-Phys  
Jan 69

371,922

Investigation of High-Current Pulse Discharges.  
By Enoch, Hans Jürgen and Neves, Ernst Reinhold.  
12 pp.  
CHM&AL, per, Zeitschrift für Materialprüfung,  
Vol 22a, 1967, pp 676-684.  
Dept. of Commerce  
Natl. Bur. Standards

Sci-  
Nov 67

342,183

Sinter-hydrolysis of Liquid Calcium Borosilicate at ~  
190°C, by H. J. Buderus, H. Groth, 19 IV.  
Gesell., Ber., Zeits. anström., Vol 22A, 1967,  
pp 954-960.  
AC/AM/1107

AM/AM

AM/AM/1107  
Oct 69

394,345

Chemical Reactions of the O-Ion in the Mass Spectrometer, by J. Jaeger.  
GERMAN, per, Zeit Naturforsch, Vol 22a, 1967,  
pp 961-965.  
AEC 127453  
ALL FOR 58-54F(M) 13156

Sci-Chem  
Jul 68

Diffusion of Tritium in Quartz and Quartz Glass,  
by A. Matzko.

OKBAM, Ber., Ziel Naturforsch., Vol 22a, 1967,  
pp. 965-966.  
See also.

Wk 816. 817. 818 (12426)

101-1158  
File 06

Nuclear Resonance Emission Lines During Rapid  
Radical Reactions. 2. Chemically Induced  
Dynamic Nuclear Polarization, by J. Fargion,  
D. Fischer.  
GERMAN, per, Z. Naturforsch., A 22, 1967, page 1156.  
FDIA

Sci/Chem  
July 69

386-862

Photodissociation in the Case of Electronically  
Excited Fragments of  $\text{H}_2$ ,  $\text{H}_2\text{O}$  and  $\text{NH}_3$  in Extreme  
Vacuum - Ultraviolet. Part II, by K. D. Beyer,  
K. H. Walgo.  
GERMAN, par, Zeitschrift fuer Naturforschung.  
Ausgabe A, Vol 22, 1967, pp 1161-1170.  
NTC 71-14220-201  
NASA TT F 12, J22

Feb 72

X-ray Spectroscopic Investigation of the Chemical  
Bond in Oxides, by Hans-Ulrich Chun.  
GERMAN, per, Zeit. Naturforschung, Vol 22 a,  
1967, pp 1401-1407  
(17)-68-S11-(ELL)

373,316

The Influence of Cathodic Hydrogen on the Lattice Parameter of Ferromagnetic Ni-Cu Alloys, by

H. J. Bauer.

GERMAN, per, Zeit Metallforschung, Vol 22a, 1967,  
pp 1465-1469.

\*Nat Bur Stand TT 70-59130

Sci-Phys  
Jul 70

Temperature Dependence of Gaseous Normal and  
Ortho-deuterium Thermal Conductivities at Liquid  
Hydrogen Temperatures, by H. Bebelhack,  
W. Eichenauer, S. P.  
GERMAN, per, Z Naturforsch, 22a, 1967, p 1528.  
AFC/LA-~~343432~~

Sci/Phy  
Mar 70

402,633

Nuclear Resonance Emission Lines During Rapid  
Radical Reactions. I. Spectrometry and Examples,  
by J. Parson.  
GERMAN, per, Z. Naturforsch., A. 22, 1967, page 1551,  
NDIA

Sci/Chem  
July 69

386-861

Flash-Lamp Pumped Dye Lasers, by  
W. Schmidt.  
GOVERNMENT USE ONLY  
GERMAN, per, Zeit Naturforsch., Vol 22 a,  
Oct 1967, pp 1563-1566.  
NASA TT F-12,020

Sci-Phys  
Mar 69

378,057

INP-TR-1919 - THERM-ELECTRIC POWER OF Cu-Bi STABILISED ZIRCONIA BETWEEN OXYGEN ELECTRODES.  
Fischer, W. (Translated by P. A. Ross for BHP Central Research Lab., Shortland, Australia, from *Z. Naturforsch.*, 22a: 1075-1080, 1967. CRESTA S. Sales Only).

metallurgy; translations 111

MN-25 NP NSA

Kinetics of Hydrogen Permeation of Ni.  
by W. Fischer, 6 pp.  
GERMAN, pub. Z. Naturforsch. 22a, 1967,  
pp. 1581-1586.  
\*CARTI TT 70-58122  
AVAILABLE FROM NSA ONLY

scanned  
AAT/10

Breaking Capacity and Ignition Mechanism of  
an Internally Triggered Low Pressure Spark  
Gap, by L. Frie, A. Michel.  
GLWAV, per, Zeit. fur Naturforsch., Vol 22A,  
1967, pp. 1965-74.  
ILL Ref: 9022.09 (4847)

Sci-Blect  
July 69

388,350

The Ignition Probability on a Low-Pressure  
Spark Gap in the Case of Voltage Recovery  
After Current Loading, by W. Frie.  
GERMAN. ver. Zeit Naturforsch. Vol 22a,  
1967. pp 1980-1984.  
NLL Ref: 9022,05 (4866)

Sci-Bloc  
June 69

384,587

The Mechanism of Secondary Background Blackening  
of Photographic Plates exposed to Ion Beams, by  
K. Wagner, K. Neugeb.  
GIZOHAL, per Zeitschrift für Naturforschung,  
vol 22 A, 1967, pp 1988-1989.  
Dept of Commerce  
Natl Bu Standards

Scanned and digitized  
Jul 68

359.959

Experiments on Separation of Pyrogenic Principles  
From Myxoviruses, by R. Stiegert, H. L. Shu, 10 pp.  
GERMAN, per, Zeit fur Natur., Vol 22B, 1967,  
pp 155-158.  
ACBI J- 8116  
ID 2204004270

Sci/EM  
June 70

Activation of Nicotin in the Rat, by H. Rembold.  
GERMAN, per, Z Naturforsch (B), Vol 22, 1967,  
pp 827-830.

H34-NIH  
1-30-68

Sod/B & R  
Feb 68

299,827

English Title Unknown, by K. Bergfeld.  
GERMAN, per, Z. Naturforsch., Vol 22b, 1967,  
pp 972-976.  
NTIS/SI TT 71-55483  
Available SI only

July 71

Biosynthesis of Phosphoamino Acids.  
Distribution of Radioactivity in Amino-  
Nethylphosphonic Acid After Incorporation  
of Specifically Labeled Glucose by Tetra-  
hydron, by A. Trebst, P. Geike.  
GERMAN, per, Zeit fur Naturforschung,  
Vol 22B, No 9, 1967, pp 989-991.  
NTC 69-11378-06A

Sci-B&M  
July 69

386,971

Electron Absorption Spectra of  $\text{MoSe}_4^{2-}$  and  $\text{LiSe}_4^{2-}$   
in Aqueous Solutions, by A. Müller.  
GIRVAN, Z. Naturforsch., Vol 22B, 1967, pp 1235-1238.  
NU/T. 683

Sci/Chem  
July 69

386-871

Photionization Investigations of Atomic Rays  
by F. J. Cramer, 28 pp  
GERMAN, per, Zeitschrift fuer Naturforschung,  
vol 7a, 1952, pp 115-124  
NASA SPECIAL

July 70

Study of the Movement of Cu in Ni in Cu-Ni Alloys.  
by T. S. Venkateswaran,  
U.S.S.R., per, Zhurnal Fizika Metallov, No 2(2), 1968, pp 229-  
235.  
NBS TT 70-57525

Scanned  
Aug 70

Acceleration of Plasma by Electromagnetic Travelling Waves, by W. Biagar.  
GDR-AM, per, Zeit fur Naturforsch, Vol 23 A,  
1968, pp 263-270.  
MLL Ref: 9091.9F (CIO/606)

Sci-Phys  
Oct 69

395,158

Enzymically Isolated Cellulose Fibrils of Valonia  
Cell Wall, by L. Franke, H. Falk,  
GERMAN, per, Z Naturforsch, Vol 23, 1968,  
pp 272-274.  
CSIRO/9463  
Vol 17, No 3, 1969

July 69

385-136

Interaction of Beams of Condensed Molecules  
with Solid Surfaces, by E. W. Becker,  
R. Klingelhoefer.  
GEWAN, per, Zeit Naturforsch, Vol 23A, 1968,  
pp 274-279.  
AEC-ORNL-tr-2184-C 5

Sci-Phys  
Aug 69

390,016

On the Expansion of Artificial Neutral Metal Vapor  
Clouds in the Upper Atmosphere, by W. Smilga. 18 pp.  
GOVERNMENT AND GOVERNMENT CONTRACTORS USE ONLY. NO NTIS  
GERMAN, per, Z. Naturforsch., Vol 23a, No 3, Mar 1968,  
pp 417-423,

NASA TT F 13507

NTC 72-10372-04A

aug 71

Time-of-Flight Analysis of a Potassium Atomic Beam Scattered by a Carbon Dioxide Molecular Beam, by J. Geppert, G. Eising.

GERMANY, per, Zeits für Naturforschung, Vol 23A,  
1968, pp 726-730.

Zr No 34, Dec 1968

AIR/APCRL/68-0624

1. 100 300 1000 (N)

Sci/Phys  
Pub 69

354,845

Numerical Studies of Characteristic  
Values for a Plasma Model, by  
K. Wilke.

GERMAN, per, Zeitschrift fuer  
Naturforschung, Ausgabe A, Vol 23,  
1968, pp 761-770  
NTG 72-11859-20I

June 72

Chemical Reaction Kinetics, by A. Ding,  
A. Henglein.  
GERMAN, per, Zeitschrift für Naturforschung,  
Vol 23A, 1968, pp 779-781.  
Tr No 29, Nov 1968  
AIR/A/CRL/68-0595

Sci-Chem  
Feb 69

373,725

An Isotope Technique to Measure Ion Exchange in  
Silicates, by E. Holmkja.  
GERMAN, per, Z. Naturforsch., Vol 23A, 1968, pp 813-817.  
\*NTIS/USDC/NBS TT 71-55085  
Available NBC Only

May 71

Experimental Investigations of a  
Hydrogen Arc in an Axis-Parallel  
Magnetic Field. Part 1, by  
C. Mahn.

GERMAN, per, Zeitschrift fuer  
Naturforschung, Ausgabe A, Vol 23, No. 6  
1968, pp 867-873  
NTC 72-11678-201  
BISI 6846

June 72

Experimental Investigations of a  
Hydrogen Arc in a Magnetic Field  
Parallel to the Axis. Part II,  
by G. Maha,

GKRMAN, per, Zeitschrift fuer  
Naturforschung, Ausgabe A, Vol 23,  
1968, pp 874-880  
NTC 72-11679-20I

BEST COPY - 11

June 72

The Spectroscopy of the Hydrogen Molecule Near  
the Ionization Limit, by F. J. Comes, H. O. Willems.  
OMOOL, par, Zeitschrift für Naturforschung, Vol 23A,  
1968, pp 881-887.  
Tr No 46, May 1969  
ADM/AFCHL/69-0235  
VTR 42-1774-275

Sci/Phys  
July 69

386,604

Diffusion and Interdiffusion of Gases by  
J. Richter.  
GATZAU, per. Z. Naturforsch., No 23a, 1968,  
pp 892-897.  
\*1183 TT 70-57533

Sci-Phys  
Aug 70

Optical Excitation in Charge Transfer Reactions of  
Rare Gas Ions at Collision Energies from 5 to 300 eV,  
by H. Schlundbohm.  
Gesam, per, Zeitschrift fur Naturforschung, Vol 23A,  
1968, pp 970-978.  
Tr No 47, May 1969  
AIR/ANCR/69-0236

Sci/Phys  
July 69

386,602

Concentration of Defects in Polycrystalline  
NaCl Formed by Irradiation with Co-60 Gamma Rays,  
by J. G. Habe.  
GIRSHAN, per, Z. Naturforsch., No 23a, 1968, pp 1170-  
1178.  
\*NBS TT 70-57491

Sci-Mat  
Aug 70

Determination of Dielectric Properties of Low-loss Materials in the Range Between 8 and 140 GHz, by W. Zell, E. Sistig.  
GERMAN, per, Zeits für Naturforschung, Vol 23 A,  
1968, pp 1232-1236.  
ELL Ref:9022.81 (2387)

Sci-Phys  
Sub T0

401,458

Optical Excitation in the Charge Transfer of He +  
Ions with the Molecules N<sub>2</sub>, O<sub>2</sub> and CO<sub>2</sub> at Energies  
Below 550 eV/Å, by E. Schlimbach.

GERMANY, part, Zeitschrift für Naturforschung, Vol 24A,

1969, pp 1366-1381.

Zr No 48, May 1969

AIR/AICR/69-0237

NOT A RECOMMENDED SOURCE

Sci/Phys  
July 69

386,623

Miscopy of Thin Gold Films Evaporated on  
Alkali Halides in Ultra High Vacuum, by  
R. W. Adam.  
GERMAN, per, Zeit fur Naturforschung, Vol 23A,  
1968, pp 1526-1535.  
NYC-69-16437-20B

Sci-Phys  
Feb 70

403,152

X-Ray Studies of Nickel Fins Deposited by  
Evaporation, by G. Wedler.  
CHIRMAN, per, Zeit fur Metallforschung, Vol 23  
A, 1968, pp 1537-1543.  
MIT/Lin Lab  
(35)-AZT-69-592-CHLL  
Available NYC

Jew TO

400,332

English Title Unown, by G. Schwab.  
GERMAN, per, Zeit fur Naturforschung, Vol 23A, No 10,  
1968, pp 1500-  
MIT/LIL

June 69

Dependence of the Inner Mobilities of  ${}^6\text{Li}$  and  ${}^7\text{Li}$   
on the Temperature and Concentration, by S. Jordan.  
GEIGER, per, Z Naturforsch., 23a, 1968, pp 1563-1568.  
\*ALC/URGIL-Tr-2222

Sci/Chem  
Nov 69

The Motion of Hydrogen and Deuterium in Pt Under the  
Effect of an Electric Field, by J. Knaak.

GERMAN, per, Z. Naturforsch., Vol 23A, 1968,  
pp 1783-1789.

\*NTIS/ISDC/NBS TT 71-55087

Available NBS Only

May 71

Ionization Curves for Secondary Ions in Mass-Spectrometer Ion Sources, by U. Lauterbach, 27 pp.  
CERNAN, per, Zeitschrift fur Naturforschung, Vol 23a,  
1970 (1968), pp 1790-1799.  
Tr No 50, June 1969  
AIR/AFCRL/69-0277

Sci/Phys  
Oct 69

395,481

Effect of Interstitial Hydrogen in Ni Cu Alloys on  
the Magnetic Properties as Followed by X-Ray Study,  
by H. J. Bauer.  
GERMAN, per, Zeit Metallforschung, Vol 23a, 1968.  
pp 2023-2029.  
Nat Bur Stand TT 70-59131

Sci-Phys  
Jul 70

The Kinematics of Chemical Reactions,  
by A. Ding, A. Hanglein, 28 pp.  
GERMAN, per, Zeit. fur Naturforschung,  
vol. 23 A, 1968, pp. 2084-2094.  
TR No 64, Nov 1969  
AIR/AFCRL/69-0521

Sci/chem  
Jun 70

Mechanism for electrolysis of beryllium from  
BF<sub>2</sub>-Be(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>, by W. Strasser.  
GERMAN, per, Zeitschrift für Naturforschung.  
Tübingen, Verlag der Zeitschrift für Naturforschung, Vol 23b, No 1, 1968, pp 38-41.  
-rrd-mr-23-804-68

Scd-1 hys  
Sep 68

Theory of Nerve Stimulation as Cooperative  
Cation Exchange in a Two-Dimensional Lattice.  
I. Ionic Current After a Depolarizing Break in  
the Membrane Potential, by G. Adam.  
"J. Chem. phys.", per, Z. Naturforsch. (B), Vol 23,  
No 2, 1960, pp 101-107.  
IBM (D)  
9-2-60

Sci/MIL  
Nov 60

368,471

Concentration of So-Called Liver-Specific  
Antigen in the Liver of the Young Rat and Its  
Rate of Metabolism in the Mature Rat, by  
W. Frank.  
NONREFLECTIVE USE ONLY  
GERMAN, per, Zeitschrift für Biochemie,  
Vol 23D, No 5, 1960, pp 687-690.  
NSA TT 7-11, 876

Sci  
Dec 60

368,814

Radical Concentration of Ratliver-Mitochondria in  
its Dependence on Various Factors, by H. Waldschmidt.  
GERMANY, 1970, Zeit fur Naturforsch, No 23B, 1968,  
pp 798-803.

NLL Ref: 9023.175 (534)

Sci/Bes:  
Mar 70

401,899

Continuous Determination of Heats of Mixing by  
Isothermal Enthalpy Titration, by F. Becker and  
N. Kalfar.

GERMAN, por, Zeitschrift fuer Naturforschung,  
Ausgabe A, Vol 24, 1969, pp 7-17.  
NTC 71-11424-07D

Feb 72

English Title Unknown, by A. Padini  
GERMAN, per, Zeitschrift fur Naturforschung  
v. 24a, no. 2, 1969, pp. 205-213.  
SACRIL

May 70

Energy Distribution in the Beam of an Electron Gun With a Single-Crystal Graphical Cathode.  
An Influence in the Acceleration Regions, by  
K. J. Lanzben, 20 pp.  
Zhurn. fer. Zelit. Sistem. Vol 24, Feb.  
1969, pp. 214-225.  
U.S.A. TR-12,559

Sci/Electronics  
Mar 70

404,430

Random Walks and Excitations of Point Defects in Model Crystals, by H. Mehrer, Part I.

GERMAN, per, Z für Naturforschung, Vol 24a, 1969,  
pp 358-367.

\*NTIS/NBS TT 71-51310

Available NBS Or y

July 71

Random Walks and Reactions of Point Defects in Model Crystals, by H. Mehrer, Part II.

GERMAN, per, Z fur Naturforschung, Vol 24a, 1969,  
pp 367-376.

\*NTIS/NBS TT 71-55309  
Available NBS Only

July 71

Temperature Dependence of D<sub>2</sub>O And HOD Spectra  
In Near-IR Extending Into Supercritical Regions,  
by W. A. P. Luck.

GERMAN, per, Zeitschrift für Naturforschung,  
Vol 24, No 5, 1969, pp 482-494.  
CEUB-5158

June 71

Unit 6 (PID-10687) TEMPERATURE BEHAVIOR OF EXO-ELECTRON EMISSION FROM METALS. Eickey, H.; Hunter, E. Translated by Robert A. Fasey, from Z. Naturforsch., 24a: 678-9(1969). SP-6 (T-130-G)

physics; translations

ND-34 NP RC

Unlimited

The Diffusion of Mn in Liquid Copper, by M. G. Frohberg.  
GERMAN, per, Z. fur Naturforsch., No 24a, 1969,  
pp 679-681.

\*NTIS TT 72-53178

Aug 72

English Title Unknown, by A. Fadini  
GERMAN, per, Zeitschrift fur Naturforschung  
Vol. 24a, No. 4, 1969, pp. 689-690.  
\*AFCRL

May 70

Diffusion of In and Cu in ZnS Single Crystals, by  
H. Melkowski.  
GERMAN, per, Z fur Naturforschung, Vol 24a, 1969,  
pp 1302-1306.  
NTIS/NBS TT 71-55308  
Available NBS Only

July '71

An Organic Laser, Coronene in HCl/IP at 100°K,  
by J. Kohlmannsporger.  
GERMAN, per, Zeitschrift fuer Naturforschung, Ausgabe  
A, Vol 24, 1969, pp 1547-1554.  
XTC-71-1180-20E

Nov 71

Diffusion Processes in the System Mo-Nb, Mo-Al,  
and Nb-Al, with the Aid of an Electron Micro-probe  
Technique; by S. Steeb.

GERMAN, PER, Z. Metallkunde, No 246, 1969,  
pp 1601-1606.

\*NBS TT 70-57543

Sci-Mat  
Aug 70

Self-Diffusion of Sr Ions in Synthetic Zeolite-A, by  
E. Hoinkis.

GERMAN, per. Z für Naturforschung, No 24a, 1969,  
pp 1677-1673.

\*NTIS TT 72-53154

Aug 72

Dissociative Charge Transfer Reactions of He+ and  
ReI Ion With N<sub>2</sub>, O<sub>2</sub>, and CO<sub>2</sub> Molecules at Collision  
Energies From 3 to 700 eV, by H. Schlumbohm, 12 pp.  
GERMAN, per, Zeitschrift fur Naturforschung,  
Vol 24a, No 11, 1969, pp 1720-1724.  
Tr No 35, 10 Nov 1970  
AIR/APCRL/70-0187

March 71

The Kinetics and Self-Diffusion of Ba and Sr in  
Synthetic Zeolite, by E. Hoinkis.  
GEHMAN, per, Z fur Naturforschung, No 24a, 1969,  
pp 1784-1790.  
"WTS TT 77-53153

Aug 72

Topochemical Reactions of Monomers With Conjugated Triple Bonds, Part I, Report: Polymerization of Derivatives of 2, 4-Hexadiin-1, 6-Diols in Crystalline State, by G. Wegner.

GERMAN, per, Zeitschrift fuer Naturforschung, Ausgabe B, Vol 24, No 7, 1969, pp 824-832.  
NTC-71-10267-07c

May 71

Studies on Mouse Leukemia Viruses. Part II,  
Identification of a Virus-Specific Hemag-  
glutinin, by W. Schaefer.  
GERMAN, per, Zeitschrift fuer Naturforschung  
Ausgabe B, Vol 24, No 10, 1969, pp 1324-1331.  
NTC-70-12706-06M

Feb 72

Adelung, Peter

1969

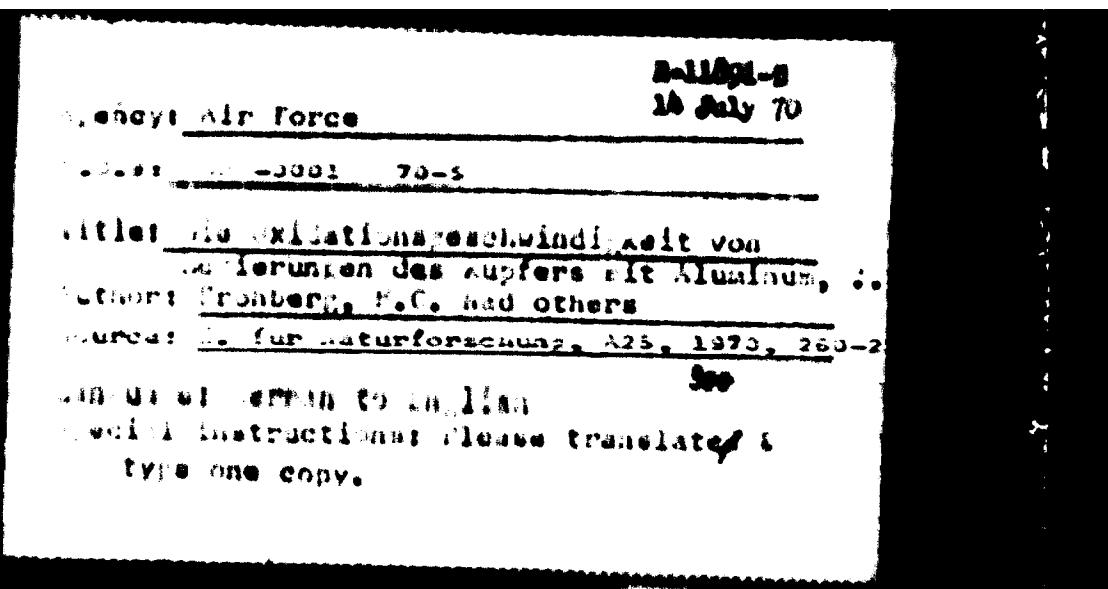
Release and function of the ecdysiotropic hormone during  
an intermolt interval in the common shore crab (*Carcinus*)  
Hamburg, 1969. (Die Ausschüttung und Funktion von  
Sekretionshormon während eines Zwischenmoltintervalls  
bei der Strandkrabbe *Carcinus major* L.)  
Dissertat. mit Naturforschend. (Journal für Natur  
wissenschaften), 23(11): 1047-1059. (In German).

Transl. by French, Mar., Zool. Lab., Div., Dept. of Sea. of  
State of Canada for NRC Biological Station, St. Andrews,  
N.B., 1971, as RDC transl. Series No. 150d, 21p., typescript.  
Avail. on loan - 1 copy, 1971.

Canadian Archives - 1971

Mass Spectrometric Method Determining Oxygen Isotopes  
Distribution in Glaciers, by E. A. Mookherjee,  
Geochim. Cosmochim. Acta, Vol. 25, 1970,  
pp. 22-4.  
WASH/MS 71-55306  
Available NM Only

July 7.



**Statement of the 1st Secretary of State  
and by Name of the Second Secretary of State  
Vol. I, pp. 26, 77.  
CIA, pp. 5, 10, 11, 12, 13, Vol. 25a, April 1970, pp. 475-481.  
NSC/SC/T-71-3801.**

**Sed/Phy  
Feb 71**

Luminescence of gamma-Irradiated Silica  
Gel During Sorption of Gases: "Radiosorption  
Luminescence", by J. G. Rabe.  
GERMAN, per, Zeitschrift fuer Naturforschung,  
Anzeige A, Vol 25, 1970, pp 571-572.  
WFG-71-10816-07E

Nov 71

17-6 C (170/G 3040) MEASUREMENT OF THE HALF-LIVES  
OF  $^{100}\text{Ru}$ ,  $^{101}\text{Ru}$ , AND  $^{102}\text{Ru}$ . Wohl, K. F.; Weiss, H. M. Translated by W. G. Stripp (Atomic Energy Research Establishment, Harwell, Eng.). From  $\text{Z. Naturforsch. A}$ ; 25; No. 6, 921-7(1970). 2020 34 Dec. NTIS (U.S. Sales Only).

physics (nuclear); transitions 172011

17MN-01 17NF 17NA

Study of Diffusion of Hydrogen in Pd and Pd-Ag Alloys by  
an Electrochemical Pulse Method, by H. Seehner.  
Chemie, per, Zeitschrift für Naturforschung, No 25a,  
1970, pp 1490-1496.  
WZTB TT 72-53117

Aug 72

JULY 1971 (UCRL-Trans-10390) FREQUENCY MODULATION  
AND COMPRESSION OF ULTRA-SHORT LIGHT PULSES.  
Leubereau, A.; Von Der Linde, D. Translated by Jean-Claude  
Diele (Ultraviolet of California Lawrence Livermore Lab., Livermore),  
from Z. Naturforsch., 25A, No. 11, 1626-42 (Nov 1970). 36p.  
Dup. NTIS.

Approved translation 270

MN-24 uP NSA

REVISED CARD

•  
Conductivity and Range of Radiation at the A-15  
Site in the System 3D-A1-64, by A. Miller, et al.,  
GDR, per, S. Interfette, Vol. 65A, 1970,  
no 1699-1669.  
ABC/OMM/TR-2461-71

July 71

Quantum-Chemical and Spectroscopic Study of  
Porphyrins, by J.V. Knop,  
GERMAN. ver. Zeitschrift fur Naturforschung,  
Vol 25a, 1970, pp 1720-1725.  
APL/JHU-T-2626

May 72

Perturbed Diffusion of Argon in Neutron-Irradiated  
Hg, by M. Muller.  
Gesam, par, Z. Naturforsch., No 25, 1970,  
pp 1892-1896.  
CIAID 77 72-53131

Aug 72

Absorption of CO on a Palladium (III) Surface, by  
G. Ertl.  
CHEMIE, per, Zeitschrift fuer Naturforschung. Ausgabe  
A, Vol 25, 1970, pp 1906-1911.  
WDC 72-1423A-07D

Jan 73

Preparation of Porphyrins by Use of Propiono-  
bacterium Shermanni, by G. Mueller,  
GERMAN, per, Zeitschrift fuer Naturforschung,  
Abrechn. B, Vol 25, 1970, pp 307-309.  
NYC-71-10009-06A

Nov 71